

Abstract

Pharmaceutical formulations, and processes for making same, comprising an amino acid which is liable to formation of an undesirable lactam, and a stabilizer comprising a volatile alcohol; a non-volatile alcohol; a water immiscible liquid or solid; a liquid with a relatively low dielectric constant; a liquid surface active agent; a solid surface active agent; an antioxidant; a ketone; an aldehyde; a solid polyethylene glycol of high molecular weight; polyvinylpyrrolidone; a derived cellulose; silicon dioxide; or a combination thereof.